

July 31, 1946.

Dear Dr. Lampen,

Dr. Tatum has suggested that I reply to your recent letter. I enclose a mimeograph reprint of the abstract of my talk at Northampton which I submitted for publication in the J. Bact. I do not know the issue in which it will be published, but I prepared the stencil at this time so that I could send it on, and will include the date later. I suppose, J. Bact., in press (abstract) would be adequate as a reference. We expect to publish the work in more detail eventually.

I would propose the following tightening of the definition of syntrophism: growth ... as the result of interchange through the medium of growth factors. This is in order to distinguish it from heterocaryosis which to my mind is so close to diploidy that it should be kept distinct. Syntrophism does take place in *Neurospora* under certain conditions. I think cross-feeding has usually been taken to refer to the biological analysis of filtrates of a mutant by another.

Very sincerely yours,


Joshua Lederberg